

IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Currently Amended): A sandwich panel, comprising: including the
two skins; and connected with placed between said skins
a zigzag corrugated core having [[the]] alternating protrusions and recesses with the
use of extending between the skins and connected to the skins by an adhesive composite
material, wherein
the core is a folded core made from a sheet blank with protrusions zigzag bending
lines, recesses zigzag bending lines, and saw-tooth bending lines crossing the zigzag bending
lines, is characterized by that the
plane slanting ridges sides of the folded core are connected to each other in-between
along the protrusions zigzag bending lines and the recesses zigzag bending lines by means of
curvilinear parts[[,]] whose folded core radius along the zigzag bending lines is not less than
[[the]] a core material sheet blank thickness, whereas along said parts made is the line
perforation providing the adhesive material get into the holes of the perforation in the course
of core skins assembling
perforation lines provided along the zigzag bending lines enable penetration of the
adhesive material through holes of the perforation lines and into crimps, and
the adhesive material forms a head and body of a rivet in the crimps during assembly of
the core and the skins.

Claim 2 (New): The sandwich panel core according to Claim 1, formed by a process comprising:

forming perforation lines on the sheet blank along the zigzag bending lines;

bending the sheet blank along the zigzag bending lines;

applying the adhesive material into each of the perforation lines;
applying the skins to the top and bottom of the core; and
bonding the skins to the core at locations of the perforation holes.

Claim 3 (New): The sandwich panel core according to Claim 1, wherein
ridges serve as surfaces of bonding between the core and the skins.